

REPORT OF EXAMINATION
Routing Slip

File No. G228161

	<u>Initial</u>	<u>Date</u>
Author	<u>[Signature]</u>	<u>4/29/93</u>
Tracking	<u>[Signature]</u>	<u>4/29/93</u>
Typist	<u>Lise</u>	<u>5/3/93</u>
Proofed by Typist	<u>TH</u>	<u>5/3/93</u>
Checked by Reviewer (1)	<u>[Signature]</u>	<u>5/7/93</u>
Checked by Reviewer (2)	<u>[Signature]</u>	<u>5-12-93</u>
Proofed by Author	<u>[Signature]</u>	<u>5/19/93</u>
Author's Signature	<u>[Signature]</u>	<u>5/19/93</u>
Reviewed by HG Name		
Lead Permit Writer Approval	<u>VW</u>	<u>5/20/93</u>
Section Supervisor Approval and Signature	<u>gb</u>	<u>5/25/93</u>

Mail Copies of Report to:

Enclosures:

- 1) Fisheries _____
- _____
- 2) Wildlife _____
- _____
- 3) Tribal _____
- _____
- 4) Protestant (s) _____
- _____
- 5) Dept. of Health _____
- _____
- 6) Others _____
- _____

- 1) Interim Guidelines _____
- 2) Wac's _____
- 3) GW Bulletin #1 _____
- 4) Others _____

Mail Originals and cc's TH 5/26/93

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name FIRE ROVE MUTUAL WATER CO. Address 10408 144th ST. E. PUYALLUP
(2) LOCATION OF WELL: County PERCE SW 1/4 NW 1/4 Sec. 16 T. 19 N., R. 4E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 9
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☒ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 4/4 ft. Depth of completed well 440 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: " Diam. from ft. to ft.
Threaded ☐ 40 STAINLESS " Diam. from 0 ft. to 310? ft.
Welded ☐ NEW " Diam. from 0 ft. to 427 ft.

Perforations: Yes ☐ No ☒
Type of perforator used.....
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name COOK
Type STAINLESS Model No.....
Diam. 6" Slot size .014 from 427 ft. to 437 ft.
Diam. 5" Slot size BLANK from 437 ft. to 440 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☐ No ☐ To what depth? NA ft.
Material used in seal.....
Did any strata contain unusable water? Yes ☐ No ☐
Type of water?..... Depth of strata.....
Method of sealing strata off.....

(7) PUMP: Manufacturer's Name.....
Type:..... H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level... ft.
Static level 295 ft. below top of well Date 3-12-86
Artesian pressure lbs. per square inch Date.....
Artesian water is controlled by..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs.
" " " " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level
Date of test.....
Bailer test 15 gal./min. with 5 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date.....
Temperature of water..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND GRAVEL & BRN. CLAY	310	312
BRN. SILTY SAND & GRAVEL - H ₂ O	312	331
BRN. CLAY SAND & GRAVEL	331	334
BRN. SILTY " " H ₂ O	334	335
BRN. CLAY, SAND & GRAVEL	335	350
RED/BRN. SILTY SAND & GRAVEL H ₂ O	350	359
LOOSE SAND & GRAVEL, H ₂ O - 15 GPM SILTY PEAT	359	365
GRAY SAND & GRAVEL, H ₂ O	365	373
GRAY CLAY, SAND & GRAVEL	373	378
GRAY SILTY SAND & GRAVEL - H ₂ O	378	385
GRAY MED. SAND, SOME GRAVEL, HEAVES, H ₂ O	385	440+

Work started 2-24, 1986. Completed 3-12, 1986.

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RAMLO WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address P.O. BOX 1686 MID HARBOR 98335
[Signed] Michael Ramlo
(Well Driller)
License No. 1199 Date 4-7, 1986

(USE ADDITIONAL SHEETS IF NECESSARY)

AFFIDAVIT OF PUBLICATION

STATE OF WASHINGTON)
COUNTY OF PIERCE)

ss. George M. Pica, being first duly
sworn on oath, deposes and says he is
General Manager of

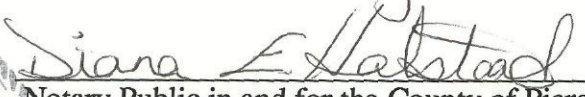
PIERCE COUNTY HERALD
822 E. Main Street
P.O. Box 517
Puyallup, Washington, 98371
206-841-2481

A bi-weekly newspaper; that said newspaper is a legal newspaper and has been approved as such by the Superior Court of the State of Washington, in and for the County of Pierce, and it now and has been for more than six months prior to the date of publication hereinafter referred to, published in the English language continually as a bi-weekly newspaper in Pierce County, Washington. That the annexed is a true copy of NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS (0984/611668) as it was published in regular issues (and not in supplement form) of said newspaper once each week for a period of 2 week(s), commencing on the 19th day of January 1993, and ending on the 26th day of January 1993, both dates inclusive, and that such newspaper was regularly distributed to its subscribers during all of said period, that the full amount of fee paid for the foregoing publication is the sum of \$54.00 which is the rate of \$.60 per line for this insertion.


Pierce-Herald, Inc.

State of Washington
County of Pierce

I certify that the event or act described in this document has occurred or been performed this 1st day of February, 19 93.


Notary Public in and for the County of Pierce.
My appointment expires August 19, 1996.



611668
STATE OF WASHINGTON
DEPARTMENT OF
ECOLOGY
AMENDED
NOTICE OF APPLICATION TO APPROPRIATE WATERS
TAKE NOTICE: That *Fir-grove Mutual Inc of Puyallup, Washington* on May 24, 1992 under Application No. 02-28161 filed for permit to appropriate public waters, subject to existing rights, from a well in the amount of 500 gallons per minute as needed year round each year, for multiple domestic supply.
The source of the proposed appropriation is located within SW 1/4 NW 1/4 of Section 16, Township 19 N., Range 4E W.M., in Pierce County.
Protests or objections to approval of this application must include a detailed statement of the basis for objections: protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the address shown below, within thirty (30) days from
January 26, 1993
Dept. of Ecology
P.O. Box 47775
Olympia, WA 98504-7775
Published
January 19, 1993
and January 26, 1993

CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

January 13, 1993

Firgrove Mutual Inc
10408 144th Street East
Puyallup, Washington 98374-9578

Dear Sir or Madame:

Re: Amended Ground Water Application No. G 2-28161

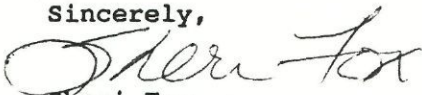
Your amended application for the appropriation of water has been assigned the above-referenced number. Please refer to this number in future correspondence.

Enclosed is a notice of your amended application which must be published once a week for two consecutive weeks in a qualified legal newspaper of general circulation in the County or Counties in which the storage, diversion, and use is to be made and in other newspapers as directed. A list of these newspapers in your county is enclosed. The applicant is responsible for the payment of the publication. Please read the notice carefully to make sure it is correct. Should you find an error, please return the notice to our office for correction.

You should mail or deliver the enclosed notice to a newspaper regarding publication as soon as possible. When you receive the affidavit of publication with the news clipping from the newspaper, please forward the original to this office promptly.

Since your amended application is for service of more than one residence, it is considered a public water supply. Public water supply systems are required to be approved by either the Local Health department or the Department of Social and Health Services (DSHS), depending upon system size. If you have not already done so, I suggest that you contact your local Health Department or Department of Social and Health Services, Water Supply and Waste Section, Olympia, Washington, for further information.

Sincerely,


Sheri Fox
Water Resources

SF:lo
Enclosure

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Amended

NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS

TAKE NOTICE:

That Firgrove Mutual Inc
of Puyallup, Washington on May 24, 1992 under
Application No. G2-28161 filed for permit to appropriate public waters, subject to existing rights,
from a well
in the amount of 500 gallons per minute as needed year round
each year, for multiple domestic supply

The source of the proposed appropriation is located within SW 1/4 NW 1/4
of Section 16, Township 19 N., Range 4E W.M., in Pierce County.

Protests or objections to approval of this application must include a detailed statement of the basis for objections; protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the address shown below, within thirty (30) days from

(Last date of publication to be entered above by publisher)

* Notice must be published once a week for two consecutive weeks.

Dept. of Ecology
P.O. Box 47725
Olympia, wa 98504-7775

CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

July 9, 1991

Firgrove Mutual, Inc.
10408 - 144th Street East
Puyallup, Washington 98374

Re: Ground Water Application No. G 2-28161

Dear Sir or Madame:

We acknowledge receipt of your affidavit of publication of notice in connection with the above-numbered application.

The water codes require that no action be taken toward issuance of a permit earlier than thirty (30) days after the last date of publication. This period of time is allowed for filing any protests or objections.

A site investigation will be made by this office before we issue a permit decision. In light of our water right backlog, we estimate it will be 12 months after receipt of your application before we are able to conduct the site investigation.

Sincerely,

Sheri Fox
Water Resources

SF:th(12A)

3 JUL 91 4:05

AFFIDAVIT OF PUBLICATION


STATE OF WASHINGTON
COUNTY OF PIERCE

ss. W.I. Trandum, being first duly sworn on
oath, deposes and says he is
President of

PIERCE COUNTY HERALD
822 E. Main Street
P.O. Box 517
Puyallup, Washington 98371
206-841-2481


Notice to Approp. Waters S 0381
STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
NOTICE OF APPLICATION TO
APPROPRIATE PUBLIC WATERS
TAKE NOTICE:
That Firgrove Mutual, Inc. of
Puyallup, Washington on May 24,
1991 under Application No. G 228151
filed for permit to appropriate public
waters, subject to existing rights,
from a well in the amount of 250
gallons per minute as needed year
round each year, for community
domestic supply.
The source of the proposed appro-
priation is located within SW 1/4 NW
1/4 of Section 16, Township 19 N.,
Range 4E W.M., in Pierce County.
Protests or objections to approval
of this application must include a
detailed statement of the basis for
objections: protests must be
accompanied by a two dollar (\$2.00)
recording fee and filed with the
Department of Ecology, at the
address shown below, within thirty
(30) days from June 18, 1991.
DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE
7272 CLEANWATER LANE,
MS LU-11
OLYMPIA, WA 98504-6811
PUBLISHED: June 11, and 18, 1991.

A bi-weekly newspaper; that said newspaper is a legal newspaper
and has been approved as such by the Superior Court of the State of
Washington, in and for the County of Pierce, and it now and has
been for more than six months prior to the date of publication
hereinafter referred to, published in the English language continu-
ally as a bi-weekly newspaper in Pierce County, Washington. That
the annexed is a true copy of NOTICE TO APPROPRIATE
WATERS (S0381) as it was published in regular issues (and not in
supplement form) of said newspaper once each week for period of 2,
consecutive weeks, commencing on the 11th day of June, 1991, and
ending on the 18th day of June, 1991, both dates inclusive, and that
such newspaper was regularly distributed to its subscribers
during all of said period, that the full amount of fee paid for the
foregoing publication is the sum of \$45.00, which is the standard
charge rate.

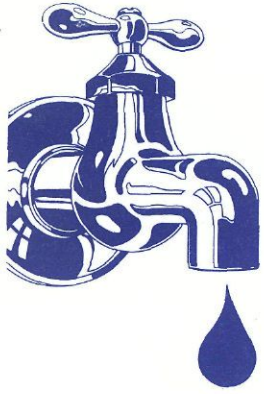

Pierce-Herald, Inc.

State of Washington
County of Pierce

I certify that the event or act described in this document
has occurred or been performed this 24th day
of June, 19 91.


Notary Public in and for the County
of Pierce. My appointment expires
August 16, 1992.

affidavit OIL
7/9/91
SF



FIRGROVE MUTUAL, INC.

10408 - 144th Street East
Puyallup, Washington 98374
(206) 845-1542

July 1, 1991

Sheri Fox
Water Resources
7272 Cleanwater Lane LU-11
Olympia, Wa. 98504-6811

Re: Groundwater Permit
No. G2-28161

Dear Madame,

Enclosed is the affidavit of publication for the
indicated groundwater permit.

Sincerely,

Roy A. Bingman
Manager

RAB/mmr

Enclosure



CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

July 3, 1991

Firgrove Mutual, Inc.
10408 144th Street East
Puyallup, Washington 98374

Re: Ground Water Application No. G 2-28161

Dear Sir or Madame:

On May 31, 1991, this office sent a notice to you for publication in a newspaper within Pierce County.

We have not received the necessary Affidavit of Publication and, therefore, cannot continue to process your application.

Please reply within thirty (30) days or, if you are no longer interested in the application or obtaining a water right, please sign the statement below and return to this office.

I am no longer interested in processing the Ground Water Application No. G 2-28161 or obtaining a water right and I hereby agree to it being cancelled.

I understand that after the effective date of cancellation, any withdrawal of ground water exceeding 5000 gallons a day and irrigation of more than one-half acre is a violation in accordance with Chapters 90.03 and 90.44 RCW and is subject to enforcement action.

Signature

Sincerely,

A handwritten signature in cursive script that reads "Sheri Fox".

Sheri Fox
Water Resources

SF:th(6AG)

PLEASE NOTIFY OF ADDRESS CHANGE

CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353
May 30, 1991

Firgrove Mutual, Inc.
10408 - 144th Street East
Puyallup, Washington 98374

Re: Ground Water Permit No. G 2-28161

Dear Sir or Madame:

Your application for the appropriation of water has been assigned the above referenced number. Please refer to this number in future correspondence.

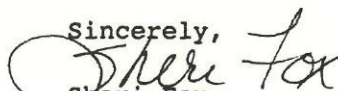
Enclosed is a notice of your application which must be published once a week for two consecutive weeks in a qualified legal newspaper of general circulation in Pierce County. A list of these newspapers in your county is enclosed. The applicant is responsible for the payment of the publication. Please read the notice carefully to make sure it is correct. Should you find an error, please return the notice to our office for correction.

You should mail or deliver the enclosed notice to a newspaper regarding publication as soon as possible. When you receive the affidavit of publication with the news clipping from the newspaper, please forward the original to this office promptly.

Since your application is for service of more than one residence, it is considered a public water supply. Public water supply systems are required to be approved by either the local health department or the Department of Social and Health Services (DSHS), depending upon system size. If you have not already done so, I suggest that you contact your local health department or DSHS, Water Supply and Waste Section, Mail Stop LD-11, Olympia, Washington 98504, for further information.

A site investigation will be made by this office before we issue a permit decision. In light of our water right backlog, we estimate it will be about 12 months after receipt of your application before we are able to conduct the site investigation.

Sincerely,


Sheri Fox
Water Resources

SF:th
Enclosures



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS

TAKE NOTICE:

That Firgrove Mutual, Inc.
of Puyallup, Washington on May 24, 1991 under
Application No. **G 228161** filed for permit to appropriate public waters, subject to existing rights,
from a well
in the amount of 250 gallons per minute as needed year round
each year, for community domestic supply

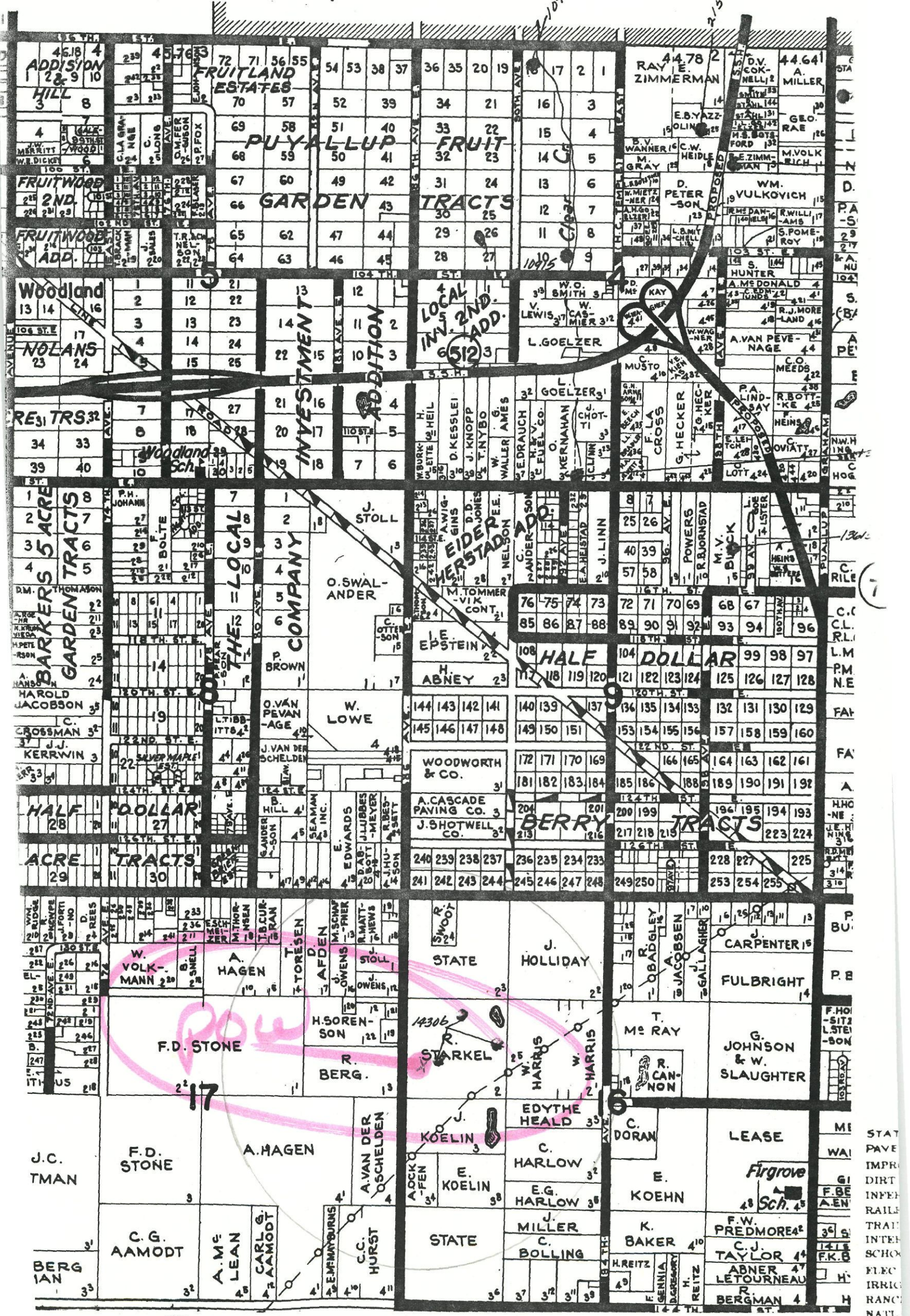
The source of the proposed appropriation is located within SW $\frac{1}{4}$ NW $\frac{1}{4}$

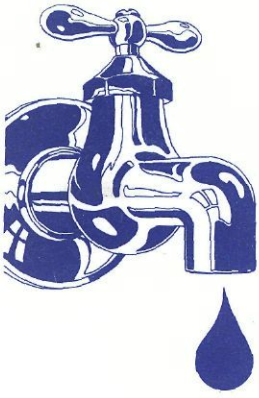
of Section 16, Township 19 N., Range 4E W.M., in Pierce County.

Protests or objections to approval of this application must include a detailed statement of the basis for objections; protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the address shown below, within thirty (30) days from

.....
(Last date of publication to be entered above by publisher)

.....
DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE
7272 CLEANWATER LANE, MS LU-11
OLYMPIA, WA 98504-6811
.....





FIRGROVE MUTUAL, INC.

26 MAY 91
10408 - 144th Street East
Puyallup, Washington 98374
(206) 845-1542

May 3, 1991

Southwest Regional Office
Department of Ecology
7272 Cleanwater Lane
Olympia, Wa. 98504-6811

Re: Groundwater Certificate
No. G 2-26739C

Dear Sir,

The enclosed application is submitted for Firgrove Well No. 9, certificate No. G2-26739C. We are applying to increase our water right to pump 250 gpm on a year around basis for a estimated total of 134 acre feet, from the exsisting well.

Please let me know if any other information is needed for the application.

Sincerely,

Roy A. Bingman
Manager

RAB/mr

Enclosed \$10 Fee
Enclosure

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

- ☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- ☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
July 2, 1985	G 2-26739	G 2-26739 P	G 2-26739 C

NAME

Firgrove Mutual, Inc.

ADDRESS (STREET)

10408 East 144th Street

(CITY)

Puyallup

(STATE)

Washington

(ZIP CODE)

98374

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE

Well #9

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND

MAXIMUM GALLONS PER MINUTE

MAXIMUM ACRE-Feet PER YEAR

70

56

QUANTITY, TYPE OF USE, PERIOD OF USE

56 acre-feet per year

community domestic

as needed

(Primary right)

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL

500 feet North and 200 feet East West Quarter Corner Section 16.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)

SW1/4NW1/4

SECTION

16

TOWNSHIP N.

19

RANGE, (E. OR W.) W.M.

4E

W.R.I.A.

10

COUNTY

Pierce

RECORDED PLATTED PROPERTY

LOT

BLOCK

OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by Firgrove Mutual Water Company.

To be relinquished

PROVISIONS

At such time that the Department of Ecology determines the regulation and management of the subject waters is necessary and in the public interest, an approved measuring device shall be installed and maintained in accordance with RCW 90.03.360 and WAC 508-64-020 through WAC 508-64-040.

The access port shall be maintained at all times on the well (s).

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia, Washington, this 14th day of April, 1987.

Andrea Beatty Riniker, Director
Department of Ecology

ENGINEERING DATA

OK

WB

by

Clark Haberman

Clark Haberman, Regional Manager

FOR COUNTY USE ONLY

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- ☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- ☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE July 2, 1985	APPLICATION NUMBER G 2-26739	PERMIT NUMBER	CERTIFICATE NUMBER
-------------------------------	---------------------------------	---------------	--------------------

Firgrove Mutual Water Company

10408 East 144th Street	Puyallup	Washington	98374
-------------------------	----------	------------	-------

PUBLIC WATERS TO BE APPROPRIATED

Well #9

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 70	MAXIMUM ACRE-FEET PER YEAR 56
-------------------------------	----------------------------------	----------------------------------

56 acre-feet per year	community domestic	as needed
(Primary right)		

LOCATION OF DIVERSION/WITHDRAWAL

500 feet North and 200 feet East West Quarter Corner Section 16.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SW2NW2	SECTION 16	TOWNSHIP N. 19	RANGE, 1E. OR W., W.M. 4E	W.R.I.A. 10	COUNTY Pierce
---	---------------	-------------------	------------------------------	----------------	------------------

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
-----	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by Firgrove Mutual Water Company.

DESCRIPTION OF PROPOSED WORKS

State approved Class I water system

DEVELOPMENT SCHEDULE

PERMIT PROJECT BY THIS DATE	COMPLETE PROJECT BY THIS DATE	WATER PUT TO FULL USE BY THIS DATE
Started	Complete	In Use

REPORT

BACKGROUND:

This application was received for processing and accepted for priority on July 2, 1985. Public notice appeared in Pierce County Herald of Puyallup, Washington on January 25 and February 1, 1986. No objections were received as a result of the public notice.

The applicant seeks a permit under the provisions of Chapter 90.44 Revised Code of Washington to appropriate public ground water from a well in the amount of 70 gallons per minute (GPM) for community domestic supply.

INVESTIGATION:

A field examination of this request was conducted by the writer on April 10, 1986. The applicant was not present during the site visit.

Firgrove Mutual Inc. purchased the subject well from Richard E. Starkel the holder of Ground Water Certificate No. 3426-A. Because this certificate allowed for only one acre-foot per year for domestic supply, it was suggested that the applicant reapply for community domestic supply to conform to the well's present use; hence this application.

An update of Firgrove Mutual water rights was made on December 30, 1986 and it was found that total rights for 1542 acre-feet per year has been allocated through ten existing rights including the one acre-foot under Certificate No. 3426-A.

In the preparation of Ground Water Permit No. G 2-26506 P on December 17, 1985, it was noted that by the year 2005 Firgrove Mutual Inc. could be serving a population of 25,000 people at a rate of 100 gallons per day per capita or 2800 acre-feet per year. Therefore any waters allotted under this application will become primary rights.

With an average pumping time of 12 hours per day for wells in the Firgrove system this well will produce 56 acre feet per year.

Upon issuance of a permit under this application, Ground Water Certificate No. 3426-A should be relinquished.

CONCLUSION:

In accordance with Section 90.44 RCW, I find that there is water available for appropriation from the source in question and that the appropriation as recommended is a beneficial use and will not impair existing rights or be detrimental to the public welfare. Therefore, permit should issue, subject to existing rights and indicated provisions.

RECOMMENDATIONS:

It is recommended this application be approved and a permit be issued allowing appropriation of 70 GPM from subject well for the purpose of community domestic supply. The period of use shall be as needed. The total annual withdrawal shall not exceed 56 acre feet per year. Approval shall be subject to the following provisions.

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the Water Supply and Waste Section, Department of Social and Health Services, Mail Stop LD 11, Building 4, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply.

At such time that the Department of Ecology determines the regulation and management of the subject waters is necessary and in the public interest, an approved measuring device shall be installed and maintained in accordance with RCW 90.03.360 and WAC 508-64-020 through WAC 508-640-40.

Installation and maintenance of an access port as described in Ground Water Bulletin No. 1 is required. An air line and gauge may be installed in addition to the access port.

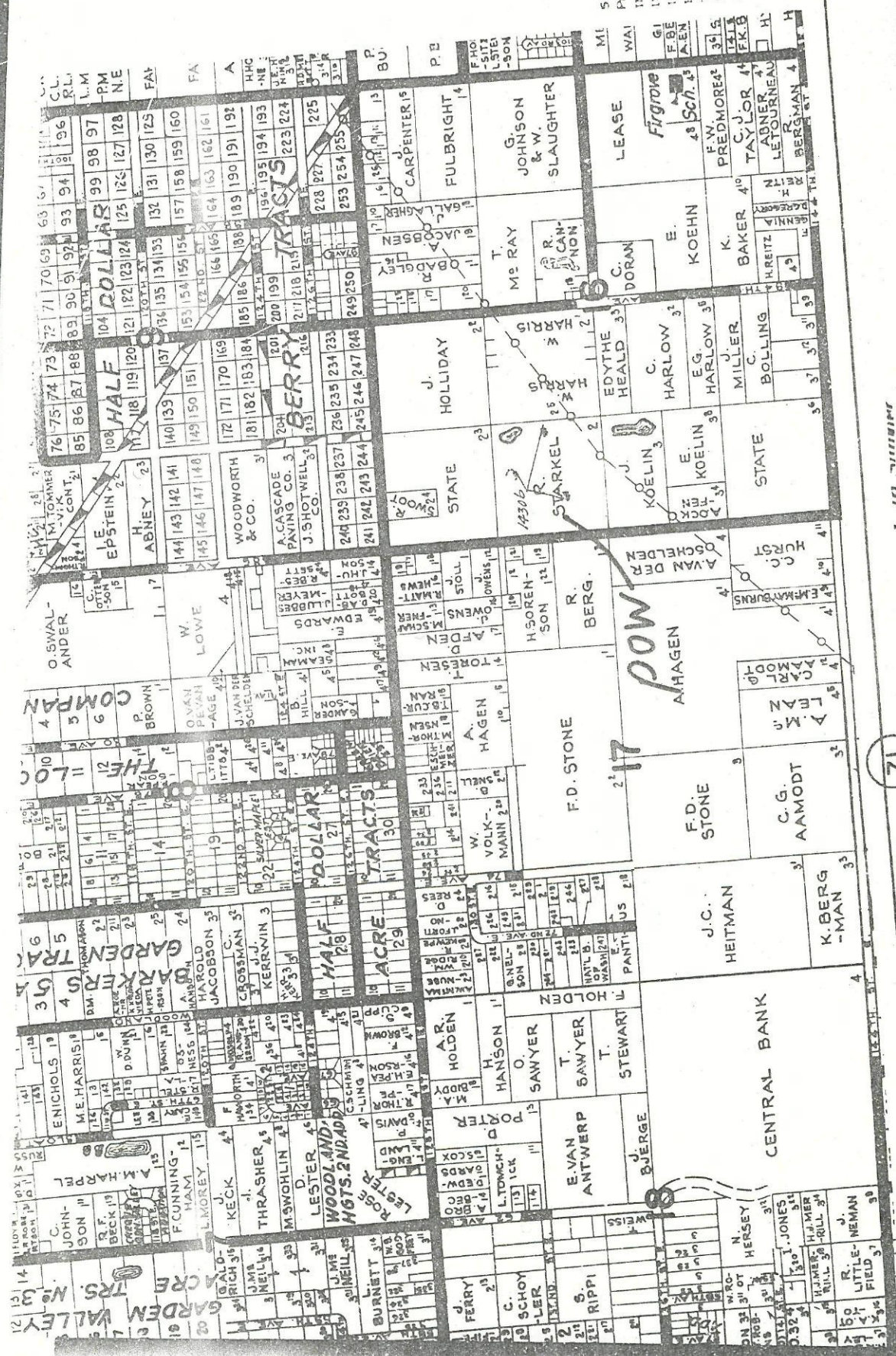
Before Certificate issues Ground Water Certificate No. 3426-A shall be relinquished.

REPORTED BY:

Kath. Bergeton

File
T19N R4E
G

- LEGEND--
- STATE HWY 20 U.S. HWY. 20
 - PAVED HIGHWAYS
 - IMPROVED DIRT ROADS
 - DIRT ROADS
 - INTERIOR ROADS
 - RAILROADS
 - TRAILS
 - INTERMITTENT CREEKS
 - SCHOOLS
 - FIRE PUMP TRANS LINES
 - IRRIGATION CANALS
 - RANCHO BOUNDARIES
 - NAIL FOREST BDRYS



will be well #9 in Put in well
will come for a right.

RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

Under Permit No. G. W. 4126

NW 1/4 NW 1/4 Sec 16, T15 R4E

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section." Sec. 8, Chap. 263, Laws of 1945.)

1. R. E. Starkel
(Name and address of owner of well or other works for withdrawal of water)
2. Type; name or number of works where water is taken Well
(Well, tunnel or infiltration trench)
3. Date on which work on well or other structure was started June 11-1959
4. Date on which work was completed July 2-1959
5. If work on well or other structure was abandoned, give date _____
and reason for abandonment _____

6. DESCRIPTION OF WORKS: 296 ft. 8 inch(a) WELL: Depth 296 ft. ft. Diameter 8 in. or ft. Dug or drilled DrilledFlowing or pump well Pump Water Temp. 46If PUMP WELL: Type and size of pump is 7 1/2 H.P. Submersible

Type and size of motor or engine is _____

Depth from ground surface to water level before pumping 274 ft. feetAfter continuous operation for 30 hours, the measured discharge of the pump is
(At least four)70 g.p.m., and the drawdown of water level is 5 ft. feet
(Pumping level minus static water level)

Recovery data (taken after pump has been shut off) (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level
<u>Recover time 15 mi.</u>			

Date of test July 21 @ 22-1959If FLOWING WELL: Measured discharge _____ g.p.m. on _____
(Date)Shut-in pressure at ground surface _____ lbs. per sq. in. on _____
(Date)Water is controlled by _____
(Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

8 in. diameter _____ from 0 to 296 ft.

_____ in. diameter _____ from _____ to _____ ft.

_____ in. diameter _____ from _____ to _____ ft.

_____ in. diameter _____ from _____ to _____ ft.

Describe and show depth of shoe, plug, adapter, liner or other details:

Shoe 296 ft.

Perforated casing or screens:

8 hoos $3/8 \times 1\frac{1}{2}$ every 8 in. from 281 to 293 ft.
(Number per foot and size of perforations, or describe screen)

from to ft.
from to ft.
from to ft.
from to ft.

LOG OF WELL OR TUNNEL: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

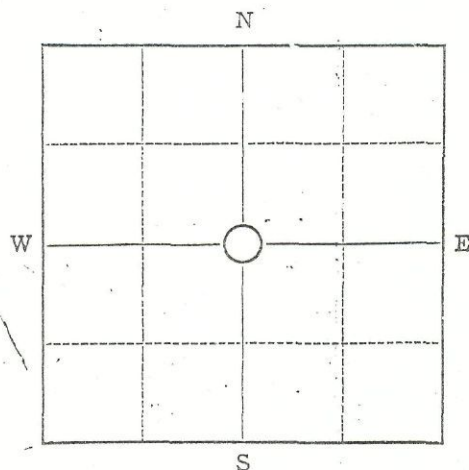
MATERIAL	Thickness (Feet)	Depth to bottom (Feet)
Top soil	1	1
blue clay	3	4
sandy blue clay	12	16
cemented gravel	7	23
hardpan	6	29
cemented gravel	8	37
hardpan	40	79
cemented gravel	35	114
dry gravel	23	137
cemented gravel	103	240
muddy wet sand	4	244
dry silt @ sand	5	249
silt sand wet	23	272
sand little water	$8\frac{1}{2}$ ft.	272 $\frac{1}{2}$
cemented gravel	$8\frac{1}{2}$	281
hard packed gravel-water	3	284
gravel some sand good flow	12	296

(b) INFILTRATION TRENCH OR TUNNEL: Type.....

Dimensions: (Tunnel—length, course, and cross-sectional size) (Trench—minimum and maximum depths)

Bottom width ft. Discharge g.p.m. Date of test

Position of water bearing stratum with reference to portal of tunnel



Scale: 1" = 200'

Sec. Twp. Rge.

Show approximate location of well or other works with (X) on section plat at left.

[Signature]
Signature of well driller or other constructor

[Address]
Address